

## Introduction to HTML

### What is HTML?

HTML stands for Hyper Text Markup Language

- ✓ the "Text" part means that you will be using plain text files
  - text files don't have any word processing information in them ~ they just have the characters that you key in at a keyboard
  - use a text editor to key in the script
- ✓ the "Markup language" part means that you will be adding tags to the text file to tell the browser how it should display the text
  - tags are enclosed in angle brackets and usually exist in pairs
- ✓ the "Hyper" part means that you can make jumps within your document, to another document on your system, or to a document anywhere on the Internet

### Essential Tags

Tag	Explanation
<html>	<ul style="list-style-type: none"><li>✓ start every document with this</li><li>✓ it tells the browser that this is an HTML document</li></ul>
</html>	<ul style="list-style-type: none"><li>✓ end every document with this</li></ul>
<head></head>	<ul style="list-style-type: none"><li>✓ this element contains header information</li><li>✓ this is information which is not displayed in the main body of the text</li><li>✓ the most common piece of information is the title of the document</li></ul>
<title></title>	<ul style="list-style-type: none"><li>✓ belongs inside the &lt;head&gt;&lt;/head&gt; tags</li><li>✓ this contains the title of your document</li><li>✓ in graphical browsers, the title is usually displayed in the title bar of your window</li></ul>
<body></body>	<ul style="list-style-type: none"><li>✓ this element is the main body of your text</li><li>✓ All of the information that you want to appear on the screen should be included between these tags.</li></ul>

```

<html>
<head>
    <title>Title of Document Goes Here </title>
</head>
<body>
    Page content goes here
</body>
</html>

```

## What HTML Ignores

All of the formatting in HTML is done with tags. Therefore, HTML ignores all “non-tag” formatting such as multiple spaces, tabs, and returns. Basically, all but single spaces are ignored and it does not matter how a line ends.

## Some Formatting Tags

Tag	Explanation
<p>	<p>Paragraph Tag</p> <ul style="list-style-type: none"> <li>✓ tells the browser that the text is to be formatted like a paragraph <ul style="list-style-type: none"> <li>➤ this means that the browser will put in a blank line and then start to display the text, wrapping to new lines as needed</li> <li>➤ when the next &lt;p&gt; tag comes up, the browser puts another blank line and then displays the text that follows that tag</li> </ul> </li> <li>✓ does not need &lt;/p&gt; to close it because as soon as the browser sees another &lt;p&gt; tag (or any other tag that starts a new line), it is assumed that the last one has ended <ul style="list-style-type: none"> <li>➤ the only time you need to close &lt;p&gt; is if it contains an attribute</li> </ul> </li> </ul>

Tag	Explanation
 	<p>Break Tag</p> <ul style="list-style-type: none"> <li>✓ if you want to end one line but not put in a blank line like this : <ul style="list-style-type: none"> <li>◦ first line</li> <li>◦ second line</li> </ul> then you need to use one &lt;br&gt; tag following the first line</li> <li>✓ if you use one break tag, all it will do is end the line that you're on</li> <li>✓ if you want to make one or more blank lines, then you need one break tag to end the line you're on and then one break tag for each blank line you want</li> <li>✓ you can't make blank lines using multiple &lt;p&gt; tags ~ they just collapse into one blank line</li> </ul>
<p align = "center">Text goes here</p>	<p>Align Attribute</p> <ul style="list-style-type: none"> <li>✓ to align text to the left, center or right, use the align attribute</li> <li>✓ attribute: <ul style="list-style-type: none"> <li>&gt; is additional information that you can put into a tag</li> <li>&gt; cannot stand alone ~ must be put into a tag</li> </ul> </li> <li>✓ you must close that paragraph tag when it contains an attribute</li> </ul>
<b> Text goes here </b> OR <strong> Text goes here </strong>	<p>Bold</p> <ul style="list-style-type: none"> <li>✓ to create bold text</li> </ul>
<i> Text goes here </i> OR <em> Text goes here </em>	<p>Italics</p> <ul style="list-style-type: none"> <li>✓ to create italic text</li> </ul>
<u> Text goes here </u>	<p>Underline</p> <ul style="list-style-type: none"> <li>✓ to put a single line under selected text</li> </ul>
<hr>	<p>Horizontal Rule</p> <ul style="list-style-type: none"> <li>✓ is a horizontal line which extends all the way across the screen</li> </ul>



Tag	Explanation
<code>&lt;hr width = "50%" align = "right"&gt;</code> OR <code>&lt;hr width = "250" align = "center"&gt;</code>	Horizontal Rule with attributes <ul style="list-style-type: none"> <li>✓ width horizontal rule across the screen <ul style="list-style-type: none"> <li>&gt; can be measured in pixels or percentage</li> </ul> </li> <li>✓ alignment of horizontal rule <ul style="list-style-type: none"> <li>&gt; can be left, right or center</li> </ul> </li> </ul>
<code>&lt;h1&gt; Text &lt;/h1&gt;</code>	Headers <ul style="list-style-type: none"> <li>✓ sets the font size</li> <li>✓ there are six different header sizes ranging from 1 to 6 (1 is the largest and 6 is the smallest)</li> <li>✓ be sure to close the headers when you're done with them</li> </ul>

## Creating Links

### What are links?

- ✓ When a link is taken (clicked on), it will take the person to a specific place.

### Hypertext Links

- ✓ hypertext links allow your page to point to other places on the Internet.
- ✓ http:// stands for Hyper Text Transfer Protocol which means that the location is on the World Wide Web

### Mail Links

- ✓ a link that sends an email message to someone

### Relative Links

- ✓ a link to a document within the same site or within your own folders
- ✓ you don't have to supply the whole address for a relative link

## Link Tags

Tag	Explanation
<code>&lt;a href = "http://www.nhl.com"&gt; NHL site &lt;/a&gt;</code>	Hypertext Links ✓ used to link to a site on the Internet ✓ must use <i>http://</i>
<code>&lt;a href = "mailto:jen@hotmail.com"&gt;Jenn &lt;/a&gt;</code>	Mail Link ✓ used to link directly to an email address ✓ must use <i>mailto:</i>
<code>&lt;a href = "labone1.html"&gt; Lab One &lt;/a&gt;</code>	Relative Link ✓ used to link to another file within local files

## Horizontal Rule Attributes

Attribute	Description
<code>&lt;hr align = "center"&gt;</code>	• aligns text to left, center or right
<code>&lt;hr color = "red"&gt;</code>	• provide either the name or the hex code
<code>&lt;hr size = "10"&gt;</code>	• the thickness of the rule in pixels
<code>&lt;hr width = "400"&gt;</code>	• length of the rule in pixels
<code>&lt;hr noshade&gt;</code>	• no value; if included, it prevents the rule from having a 3-D effect

## Steps to Creating, Saving and Viewing a Web Page

Step 1: Open TEXT EDITOR

Step 2: Type your script

Step 3: Go to FILE and then SAVE AS into the appropriate location

**\*\*BE SURE TO SAVE ALL HTML DOCUMENTS AS AN HTML FILE SO THAT  
YOUR WEB BROWSER WILL RECOGNIZE IT AS AN HTML FILE.**

ex) exone1.html

Step 4: Minimize your script

Step 5: Open INTERNET BROWSER

- ✓ click FILE
- ✓ click OPEN FILE
- ✓ click CHOOSE FILE and choose your desired file
- ✓ click OPEN

## Steps to Make Changes to Your Script

Step 1: Minimize INTERNET BROWSER

Step 2: Maximize TEXT EDITOR (which for now contains your script)

Step 3: Make changes and RESAVE your changes

Step 4: Minimize TEXT EDITOR

Step 5: Maximize INTERNET BROWSER

Step 6: Click RELOAD ~ your revised page will now appear